

A decorative graphic consisting of several orange triangular segments of varying lengths radiating from a central point, resembling a stylized sunburst or fan, located on the left side of the slide.

FDA Workshop on Additive Manufacturing of Medical devices



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Executive Vice President of Corporate Affairs

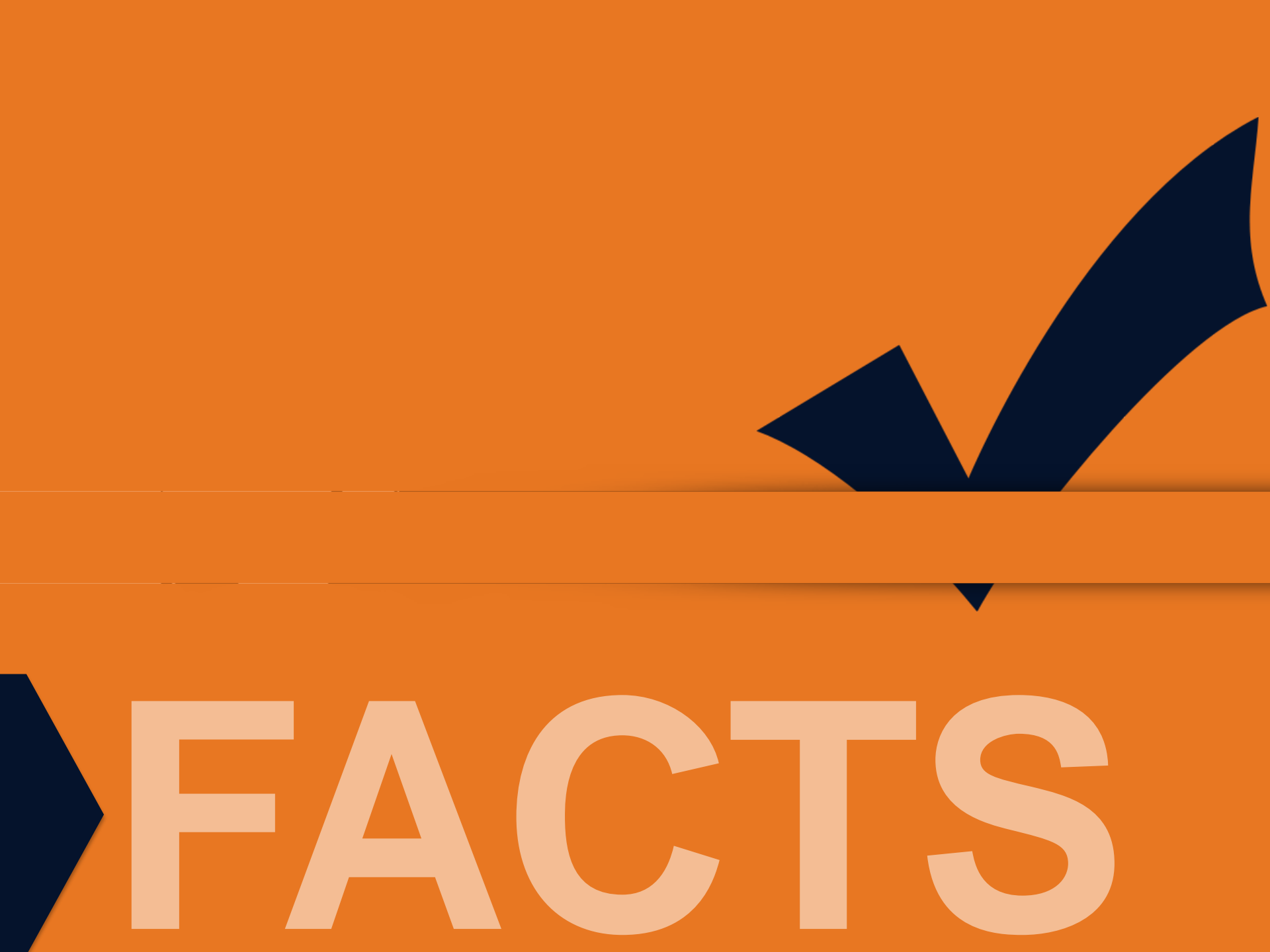
3D Printing Opportunities

- Personalization
- Design Flexibility
- Manufacturing Flexibility
- Promote New Manufacturing Techniques
- Opportunity for Product Cost Reductions

- Personalization
- Manufacturing opportunities Availability
- Validating New Design and Manufacturing Processes
- Evaluating New Materials and Build Processes

Today's Agenda

- Stratasys Technologies
- Stratasys Company Update
- Manufacturing with FDM
- Materials Development



FACTS

Diverse Printing Technologies

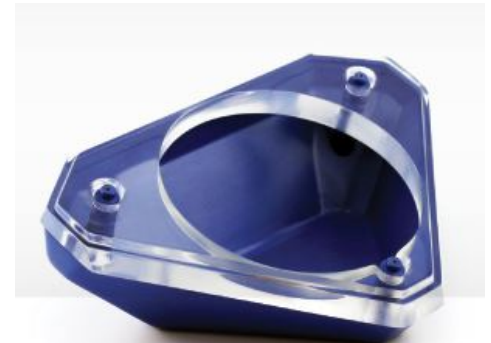
- Fused Deposition Modeling (FDM)
 - Real thermoplastics with soluble supports
- Polyjet (resin jetting)
 - Multi-material and multi-colored printing
- Smooth Curvature Printing (SCP)
 - High precision lost wax printing



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3D Printing Industries

Industrial



Aerospace



Automotive



Military



Architecture



Consumer



Medical



Dental



Jewelry



Education



Manufacturing with FDM

InSight Software provides Flexibility (Fortus Systems)

Layer Thickness

- .007' to .013"

Bead Width

- +/- 40% of layer thickness

Material Mix

- Variety of thermo plastics
- Alternate build and support materials

Raster Fill Patterns

- Promotes new design and manufacturing process

Key Company Focus – Opportunities Defined by Business Unit Development Process

- Receive validation from material vendor
- Establish FDM process validation
- Final validation belongs to the user

Example: Large Aerospace Manufacturer

- Stratasys to guarantee and control filament
- Filament extrusion process
- Serialization of prescribed filament
- Controlled distribution

3D Printing Offers New Opportunities

- Design
- Manufacturing

3D Printing Brings Affordable Customization

3D Printing Means Change

Stratasys 3DP Technologies is a Catalyst for Change

Stratasys Partners with Companies, Government and

Educators to Deliver Positive Change

THE NEXT INDUSTRIAL REVOLUTION



PRINTING



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